

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 February 2005 (03.02.2005)

PCT

(10) International Publication Number
WO 2005/010171 A1

(51) International Patent Classification⁷: **C12N 1/16**,
C12P 19/04

(21) International Application Number:
PCT/KR2004/001172

(22) International Filing Date: 18 May 2004 (18.05.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2003-0051593 25 July 2003 (25.07.2003) KR
10-2004-0033733 13 May 2004 (13.05.2004) KR

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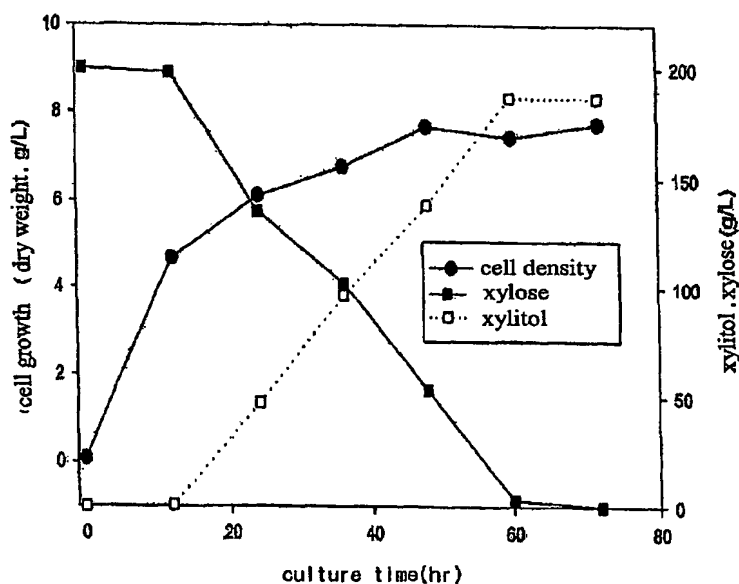
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,

[Continued on next page]

(54) Title: NOVEL CANDIDA TROPICALIS CJ-FID(KCTC 10457BP) AND MANUFACTURING METHOD OF XYLITOL THEREBY



(57) Abstract: Provided are a novel *Candida tropicalis* CJ-FID (KCTC 10457BP) derived from honey and a method for producing xylitol using the same. The method includes culturing the *Candida tropicalis* CJ-FID itself or an alginate-immobilized *Candida tropicalis* CJ-FID in a fermentation medium containing high concentration xylose and sucrose to obtain xylitol-containing culture, followed by purification with an activated charcoal column and anion column, to finally obtain a powdery xylitol. Therefore, high purity xylitol can be produced with high yield and productivity.



KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

- (84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

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